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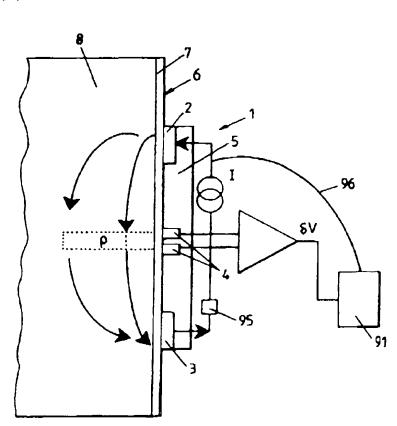
- (71) Applicant (for FR only): SERVICES PETROLIERS SCHLUMBERGER [FR/FR]; 42 rue Saint Dominique, F-75007 Paris (FR).
- (71) Applicant (for JP, NL only): SCHLUMBERGER HOLDINGS LIMITED [—/—]; PO BOX 71, Craigmuir Chambers, Road Town, Tortola (VG).
- (71) Applicant (for CA. GB only): SCHLUMBERGER CANADA LIMITED [CA/CA]; 24th- Floor Monenco

Place, 801 6th Avenue SW, Calgary, Alberta T2P 3W2 (CA).

- (71) Applicant (for BF. BJ. CF. CG. CI, CM. CZ. G.4. GN. GQ. GW. IN. LT, MA, ML. MR, NE. SN, TD, TG. TN. VN only): PETROLEUM RESEARCH & DEVELOPMENT N.V. [NL/NL]: De Ruyterkade 26, Willemstad, Curacao (NL).
- (71) Applicant (for AE. AG, AL, AM, AT, AU. AZ. BA. BB. BE, BG, BR, BY, BZ. CH. CN. CO. CR. CU. CY, CZ. DE. DK. DM, DZ. EC, EE, ES, FI, GD, GE, GH. GM. GR. HR. HU, ID, IE, IL, IS. IT. KE. KG. KP. KR. KZ. LC. LK. LR. LS, LU. LY, MC. MD. MG, MK. MN. MW. MX, MZ. NO. NZ. PH. PL. PT. RO, RU, SC. SD, SE, SG, SI, SK. SL. SZ. TJ. TM, TZ, UA, UG, UZ. VC, VN. YU. ZA, ZM. ZW only): SCHLUMBERGER TECHNOLOGY B.V. [NL/NL]; Parkstraat 83-89, NL-2514 JG The Hague (NL).
- (71) Applicant (for CN only): SCHLUMBERGER OVER-SEAS S.A. [PA/PA]: 8 Calle Aquilino de la Guardia, Panama City (PA).

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(54) Title: PHASE DISCRIMINATION FOR MICRO ELECTRICAL MEASUREMENT IN NON-CONDUCTIVE FLUID



(57) Abstract: A method for electrically investigating a wall of a borehole in a geologic formation including injecting a current into the formation at a first position along the wall and returning the current at a second position along the wall, the formation current having a frequency below about 100 kHz, measuring a voltage in the formation between a third position and a fourth position along the wall, the third and fourth positions being located between the first and second positions, and determining an amplitude of a component of the voltage in phase with the current.

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